

**Indian Institute of Technology Kanpur
Department of Earth Sciences**

***Revised**

Inquiry No- ES/IS/2014-15/18

December 1, 2014

Sub: Quotation for the supply of Portable Ice Core Drilling Machine.

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover in order to reach us by December 10, 2014 in the form of a hard copy to the address mentioned below. If you have any questions please call Dr.I.S.Sen at 0512-2596440, email: isen@iitk.ac.in.

The prospective suppliers are required to send quotation in two parts in sealed envelopes, as "**Technical Bid**" and "**Financial Bid**". The Technical Bid should contain detailed technical specification of the product being offered **and should not mention any prices**. The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges if any, shipping and handling charges. The two separate and sealed envelopes should be clearly marked appropriately as "Technical Bid" and "Financial Bid".

Inquiry number should be mentioned on the top of envelop.

Terms and Conditions:

1. Maximum education discount, if any should be offered
2. Validity of quotation should be at least for 60 days
3. Prices should be quoted on FOB (Free on Board) only (if imported)
4. Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation/ inspection)
5. Quotation should carry proper certifications like agency certificate, proprietary certificate, etc.

Technical Specification

- The instrument Coring System should be able to retrieve ice core up to 1-1.5 meters long and has to be portable
- The diameter of the core has to be greater than 8 cm
- The instrument should be provided with extension rods so that 20 meters long ice core can be collected.
- The instrument should feature an electric drill adapter and a coupler collar (optional item).
- The instrument should be designed in such a way to have T-handle for manual drilling can be fitted.
- The Coring system should consist of 1set of standard bits and 1 set of wide bits.
- The instrument should be provided with Coring system bit consist of at least 1 set of two 9W wide replacement bits.

- Extra extension rod along with Connector Pin which can lower/extend the length of the Coring system by 1-2metre should also be part of the supplies.
- The instrument should be designed in such a manner that insures user's safety and remains unaffected from environmental factors (such as dust and temperature, air pressure). The instrument should therefore be rugged and reliable.
- A complete Coring system should therefore have the following items:
 - ✓ 1-1.5 meter core barrel
 - ✓ 1 meter long extension rods
 - ✓ T-handle for manual drilling
 - ✓ Electric drill adaptor (optional)
 - ✓ Pair of standard cutting blades
 - ✓ Pair of wide cutting blades
 - ✓ Customized field case
- The instrument should be provided with a core hoisting system for deep drilling or Coring up to 5-20 meters.
- A engine has to be provided which will able to retrieve a 1 m long core in 15 seconds (optional item)

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